

**CLAIMS.**

1. A portable clamping/displacement worktable system comprising a supporting structure and at least two operatively cooperative worktop sections in which at least one worktop section is displaceable relative to another in which said system means are provided to vary the maximum- potential- footprint of the worktop section operation by varying the length of the top frame support.
2. A worktable system according to claim 1, in which means are provided for a worktop section to fit and operate both on a shorter and extended top frame support.
3. A worktable system according to either of claims 1 or 2 in which means are provided to extend the functioning of a mechanism situated on a shorter top frame footprint to an extended top frame footprint.
4. A worktable system according to any preceding claim in which means are provided whereby the distance between two directly- linked, cooperatively-articulating axis points on a folding leg support structure may be varied.
5. A worktable system according to any of the preceding claims in which the said direct link between two cooperatively-articulating axis points may be released or refitted with quick-fit/quick release means
6. A worktable system according to any of the preceding claims in which quick adjustment means are provided to vary the length of any said direct link between two cooperatively- articulating axis points.
7. A worktable system according to any of the preceding claims in which the operational-angle and /or distance between the leg supports may be adjusted to provide an extended top frame support
8. A worktable system according to any of the preceding claims in which an extended top frame support is provided by positioning the far-end leg support in folded or closed position in a line parallel to the top frame while simultaneously positioning the control-end leg support in an open, relatively vertical plane.
9. A worktable system according to any of the preceding claims in which at least one ground-angle-working-plane is provided for the worktop sections by changing the operational angle and /or distance between the leg supports
10. A worktable system according to any of the preceding claims in which at least one ground-angle-working-plane is provided for the worktop sections by the leg support alignment described in claim 8 wherein the foot of the far-end leg support rests on the ground, the far-end support in this configuration serving as both leg support and top frame extension.
11. A worktable system according to any of the preceding claims in which an extended maximum-operational-footprint for the worktop sections is provided in a horizontal operational plane by the leg support alignment described in claim 8 wherein the foot end of the far- end leg is supported by an extension leg support, the far- end leg support in this configuration positioned in a horizontal operational plane and serving in this mode only as top frame extension.

- 1       **12.** A worktable system according to any of the preceeding claims in which  
2       means are provided to link the leg supports in certain operational configurations  
3       and un-link them in other operational configurations.
- 4       **13.** A worktable system according to any of the preceeding claims in which  
5       means are provided to lock the control-end leg support at one or more  
6       operating- angle settings to the top frame, this locked position functioning  
7       independently of any linkage with the far-end leg support.
- 8       **14.**A worktable system according to any of the preceeding claims in which  
9       means are provided for the far- end leg support to be positioned in a line  
10      parallel to the top frame, this positioning functioning independently of any linkage  
11      with the control-end legs.
- 12      **15.** A worktable system according to any of the preceeding claims providing a  
13      top frame aligner element which, positioned on the top frame extension  
14      support, extends the necessary positional line and form requirements of the  
15      original top frame support such that a worktop section functioning on the original  
16      maximum-operational- footprint for the worktop sections may equally fit and  
17      operate on the extended maximum-operational-footprint.
- 18      **16.** A worktable system according to any of the preceeding claims in which there  
19      is provided a top frame aligner along which a worktop section mount and/or  
20      worktop section may be selectively positioned and fixed.
- 21      **17.** A worktable system according to any of the preceeding claims in which  
22      there is provided a top frame aligner which is displaceable along the top frame  
23      extension support and which is linked to the clamping/displacement means on  
24      the shorter maximum-operational-footprint such that activation of the said means  
25      produces the same clamping/displacement results on the extended maximum-  
26      operational-footprint as on the shorter.
- 27      **18.** A worktable system according to any of the preceeding claims in which the  
28      clamping/displacement means activates a primary clamping/displacement  
29      vehicle along which a secondary clamping/displacement vehicle may be  
30      selectively positioned and fixed, the secondary vehicle being employed to  
31      displace any attached tool or worktop section over a larger distance along the  
32      length of the primary vehicle and any extension linked to the said primary vehicle  
33      to a selected fixing point on the said primary vehicle or linked extension, the  
34      primary vehicle being employed to tighten and/or displacementely adjust the  
35      secondary vehicle with any attached tool or worktop section over the remaining  
36      smaller distance.
- 37      **19.** A worktable system in which the clamping/displacement means activates a  
38      primary clamping/displacement vehicle along which a secondary  
39      clamping/displacement vehicle may be selectively positioned and fixed, the  
40      said secondary vehicle being employed to displace any attached tool or  
41      worktop section over a larger distance along the length of the primary vehicle  
42      and any extension linked to the said primary vehicle to a selected fixing point on  
43      the said primary vehicle or extension, the primary vehicle being employed to

- 1       tighten and/or displacementally adjust the secondary vehicle together with any  
2       attached tool or worktop section over the remaining smaller distance.
- 3       **20.** A worktable system according to any of the preceding claims in which the  
4       secondary clamping/displacement vehicle is provided with an override  
5       mechanism permitting it to be instantaneously disengaged , repositioned and  
6       instantaneously re-engaged with any fixing point on the primary  
7       clamping/displacement vehicle or any linked extension of the said primary  
8       vehicle.
- 9       **21.** A worktable system according to any of the preceding claims in which the  
10      secondary clamping/displacement vehicle is provided with a retention plate  
11      which permits it to be slideably displaced along the length of the primary  
12      clamping/displacement vehicle or linked extension but does not permit it to be  
13      detached in any other angle plane;
- 14      **22.** A worktable system according to any of the preceeding claims in which there  
15      are provided attachment points and a linking element on and between the  
16      primary clamping/displacement vehicle and the top frame aligner.
- 17      **23.** A worktable system according to any of the above claims in which means  
18      are provided to extend the length of the top frame support structure displacing  
19      the axis or fixing point of the far-end leg support away from the control-end leg  
20      support.